

# BYK-1791

Aromatic-free, polymer-based defoamer (silicone-free) for radiation-curing systems (wood and industrial coatings, printing inks and adhesives) that has a spontaneous defoaming effect as well as high transparency and low cratering tendency.

## Product Data

### Composition

Solution of foam-destroying polymers, silicone-free

Free from aromatic  
compounds

### Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Density (20 °C):	0.80 g/ml
Non-volatile matter (10 min., 150 °C):	40,5%
Solvents:	Isoparaffins
Flash point:	37 °C

### Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit [www.byk.com](http://www.byk.com) for further information.

## Applications

### Coatings and Printing Inks

#### Special Features and Benefits

BYK-1791 has a spontaneous defoaming effect combined with high transparency and low cratering tendency. It is recommended for solvent-borne and solvent-free systems, particularly for radiation-curing wood and industrial coatings, printing inks and overprint varnishes.

#### Recommended Levels

0.1-1.5 % additive (as supplied) based upon total formulation.

The above recommended levels can be used for orientation. Optimal dosage levels are determined through a series of laboratory tests.

#### Incorporation and Processing Instructions

Due to its high incompatibility, the defoamer must be incorporated at high shear forces (in the mill base) to ensure good distribution. Otherwise defects may occur in the system.

## Adhesives & Sealants

### Special Features and Benefits

BYK-1791 is recommended for the defoaming of solvent-free, radiation-curing (UV and ESH) adhesives.

### Recommended Levels

0.1-1.5 % additive (as supplied) based upon total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

### Incorporation and Processing Instructions

Due to its high incompatibility, the defoamer must be incorporated at high shear forces (in the mill base) to ensure good distribution. Otherwise defects may occur in the system.

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This information is given to the best of our knowledge. Because of the multitude of formulations, production, and application conditions, all the above-mentioned statements have to be adjusted to the circumstances of the processor. No liabilities, including those for patent rights, can be derived from this fact for individual cases.

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